***COMPLETE IN NOTEBOOK! COPY ALL FIGURES!***

**READ ALL DIRECTIONS! Failure to show** ALL WORK **and follow** all directions COMPLETELY **will result in LaSalle.**

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| You will be able to compute the area of a shaded region created by shapes in other shapes. | |
| Criteria for Success: Did you…   * Find familiar shapes within other shapes * Use the correct area formula for each shape. * Set up an equation for the area of the shaded region that included subtraction * Include units in your answer * Examine your answer: Does it make sense? Does it answer the question? | |
| 1. Find the area of the shaded region. | 1. Find the area of the shaded region if the radius of the circle is 6 in. |
| 1. Find the area of the shaded region. All measurements are given in cm. | 1. Find the area of the shaded region. All measurements are given in inches. |
| 1. In the figure below, two white congruent circles just fit into the gray circle. What is the area that appears gray?   4 in | 1. **C:\Users\kramos\Desktop\compsite2.PNG**Find the area of the shaded region. |
| 1. Find the area of the shaded region.   C:\Users\kramos\Desktop\composite3.PNG | 1. Calculate the area of the figure below that consists of a rectangle and two quarter circles, each with the same radius. Leave your answer in terms of pi.   **::Desktop:Screen Shot 2017-10-29 at 7.52.40 PM.png** |
| 1. Find the area of the shaded region.   C:\Users\kramos\Desktop\compsite6.PNG | 1. The figure below is composed of eight circles, seven small circles and one large circle containing them all. Neighboring circles only share one point, and two regions between the smaller circles have been shaded. Each small circle has a radius of 5 cm. Find the area of the LARGE circle   **::Desktop:Screen Shot 2017-10-29 at 7.38.56 PM.png** |